

---

## PREFACE

The purpose of this book and the companion course is to present to engineers the knowledge that has been gained about jet engines and propulsion systems over the past half century. The book and the course are not meant to present ideas at the highest quantitative level, but are rather to convey fundamental principles from the experts in one area to engineers in other domains. By doing this each can understand to some degree the problems encountered and approaches taken across the entire propulsion system. An increased level of insight and cooperation might come about toward developing even more refined engines and systems.

A number of people have worked together for well over a year to bring about the publication of this book. Each of the chapter authors are named at the beginning of their contribution. David T. Roessler was instrumental in coordinating the writing efforts and the course for which this book was written. Additionally, Rick Caudill, Manager of Structures Drafting, coordinated the production and reviewed the hundreds of drawings and charts in the text. Karen Grimme, Chris Licht, and Joe Lohre produced the drawings on an interactive graphics system. Jeff Hooper and Don Huber operated the computer system to plot each of the drawings. Typesetting and keylining were done by Dale Chance, Glenda Hammon, and Michael Thomas of O'Neil & Associates, Inc.

Thaddeus W. Fowler